

19990619.qrp v01_n493.qrl.990619

Date: Sat, 19 Jun 1999 19:04:17 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1493

QRP-L Digest 1493

Topics covered in this issue include:

- 1) [43083] DSW40 builder's aid - parts labels
by James R Giammanco <n5ib@juno.com>
- 2) [43084] Head Magnifier
by "Jim Stafford, W4Q0" <w4qo@amsat.org>
- 3) [43085] Who needed the HEP data ??
by "KA5T Larry Wise" <lewise@inetport.com>
- 4) [43086] Overlay for NC20 Panel
by George F Franklin <w0av@juno.com>
- 5) [43087] Morse Code in Movie
by "Ron Polityka" <wb3aal@talon.net>
- 6) [43088] CD R R/W, SPICE Models, Ft Smith AR, MFJ es stuff
by "Chuck Adams K5F0" <adams@ticnet.com>
- 7) [43089] RE: 2N408 Transistor
by "Ed Tanton" <n4xy@att.net>
- 8) [43090] Re. Dummy load night
by Pete Burbank <plburbank@kih.net>
- 9) [43091] Re: 4:1 Balun Question
by Bill B Lazure <n2tpa@juno.com>
- 10) [43092] So much for the Ohio to Georgia "km/watt" idea . . .
by Nils R Young <nilsbull@juno.com>
- 11) [43093] 2N2/40 Progress
by "M. Monninger" <markem@primenet.com>
- 12) [43094] Templates for controls..dials..
by "Larry Braden" <lbraden@home.com>
- 13) [43095] Re: So much for the Ohio to Georgia "km/watt" idea . . .
by "Paul Harden, NA5N" <na5n@rt66.com>
- 14) [43096] 6 meter opening...alert!!
by Mighty Mik <mitymik@hooked.net>
- 15) [43097] Re: So much for the Ohio to Georgia "km/watt" idea . . .
by hamjoel@juno.com
- 16) [43098] http info
by "Chuck Adams K5F0" <adams@ticnet.com>
- 17) [43099] NorCal QRP Club NC20's - Whoop!
by "Dave Fifield" <fifield@pacbell.net>
- 18) [43100] CW alert
by "KA5T Larry Wise" <lewise@inetport.com>
- 19) [43101] Tuna-Tin 2 gets Ugly

- by "KA5T Larry Wise" <lewise@inetport.com>
- 20) [43102] Digital Camera - Battery Leak - Hamcom
by "Dave Fifield" <fifield@pacbell.net>
- 21) [43103] Re: 6 meter opening...alert!!
by "Chuck Carpenter" <w5usj@globeco.net>
- 22) [43104] Fw: [GQRP] The World is Listening ...
by "Andy GM0NWI" <gm0nwi@tesco.net>
- 23) [43105] Re: Regen RX Using Q-multiplier Principle
by "Graham Firth" <Graham.Firth@BTinternet.com>
- 24) [43106] antique keys
by "George Goodroe" <goodroe@worldnet.att.net>
- 25) [43107] Homebrewing Tip: "Know your Test Gear"
by Sam Billingsley <SBillingsley@usaninc.com>
- 26) [43108] FS Sierra
by "Steven K. Anspach" <spach@ida.net>
- 27) [43109] F.S. NC-20 (built)
by Joseph Trombino Jr <joebarb@wilmington.net>
- 28) [43110] DL-QRP-PA ???
by "Gary R. Hanson" <ghanson@uts.cc.utexas.edu>
- 29) [43111] <no subject>
by "James R. Duffey" <jamesd1@flash.net>
- 30) [43112] Re: Digital Camera - Battery Leak - Hamcom
by "Jim Stafford, W4Q0" <w4qo@amsat.org>
- 31) [43113] NC-20 has been sold
by Joseph Trombino Jr <joebarb@wilmington.net>
- 32) [43114] Re: I'm Looking For.....
by KB90CE@aol.com
- 33) [43115] The Story posted this morning?
by Jeff Grudin <grudin@pacific.vdbs.com>
- 34) [43116] Batt. charge
by william h ross <k6mgo@juno.com>
- 35) [43117] Sorry, not QRP Related. But.
by "Ron Polityka" <wb3aal@talon.net>
- 36) [43118] Thanks for the story address.
by Jeff Grudin <grudin@pacific.vdbs.com>
- 37) [43119] Harbor Freight Punch #
by "Chuck Adams K5F0" <adams@ticnet.com>
- 38) [43120] Testing Coax Cables
by Andrew Comas <acomas@panix.com>
- 39) [43121] More toroid adventures & antenna tuner sprites
by Nils R Young <nilsbull@juno.com>
- 40) [43122] Exiled to Yuma for a week
by n2cx@voicenet.com
- 41) [43123] Re: Batt. charge
by mikemo@ibm.net
- 42) [43124] Dress Code
by Jeff Davis <jeff@jehosophat.com>
- 43) [43125] Experiments with the DSW-40

- by Jay Freeman <jayFreem@direcpc.com>
44) [43126] Re: Testing Coax Cables
by Stan Goldstein <stan@cruzio.com>
45) [43127] DSW40 - progress report
by James R Giammanco <n5ib@juno.com>
46) [43128] (fwd) Heathkit qrp HW-7 Microphonic problem
by n6jpa@qsl.net
47) [43129] Re: Tuna-Tin 2
by W1RFI@aol.com
48) [43130] Re: Tuna-Tin 2 gets Ugly
by W1RFI@aol.com
49) [43131] Re: TT2 Problem
by W1RFI@aol.com
50) [43132] Re: Tuna Tin 2
by W1RFI@aol.com

Date: Fri, 18 Jun 1999 17:10:23 CDT
From: James R Giammanco <n5ib@juno.com>
To: qrp-l@Lehigh.edu
Subject: [43083] DSW40 builder's aid - parts labels
Message-ID: <19990618.171023.7511.0.N5IB@juno.com>

For any of you buiding a DSW-40,

I've made up a parts list in part number order that prints on Avery return address label stock (#8167 - 80 labels per page) so that you have a label "sticker" for each part. As I inventoried, I stuck the part on stiff paper (except for the static sensitive ones) with the sticker. Helps me find the part with my bifocals as I stuff the board.

If you would like a copy of that label file I can send it to you as an attachment as either (1) WordPerfect for Windows or (2) portable document format (.PDF)

Send an e-mail - NOT to the return address of this message, rather to:

giamman@rouge.phys.lsu.edu

with "DSW-40 parts list - WP" or "DSW-40 Parts list - PDF" in the subject line, and I'll get it out to you. Will also try to get both files on a web page soon.

ps: Dave had a good chuckle over my obsessive-compulsive parts checking fetish :^)

72 and happy building

Jim N5IB

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Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Fri, 18 Jun 1999 19:27:57 -0400
From: "Jim Stafford, W4Q0" <w4qo@amsat.org>
To: nogalist <nogaqrp@qth.net>, QRP-L <qrp-l@lehigh.edu>, qrp@qth.net
Subject: [43084] Head Magnifier
Message-ID: <376AD5FC.28A77DB3@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Don't know anything about quality on these but have dealt with MPJA
before and they do have a nice catalog. STD DISC: No connection with
this outfit.

See magnifiers down about 3/4 page.

<http://www.mpja.com/listnew.htm>

--
Jim Stafford, W4Q0 770-993-9500 VP - QRPARCI #6615
11395 West Road 770-993-8932 fax Mgr - W4WOW SciTrek
Roswell, GA 30075 w4qo@amsat.org Dir- RadioActive Schools
DBA/Stafford Enterprises/By Jimeny SCF
<http://www.america.net/~w4qo>

Date: Sat, 19 Jun 1999 00:31:37 -0700
From: "KA5T Larry Wise" <lewise@inetport.com>
To: "qrp" <qrp-l@lehigh.edu>
Subject: [43085] Who needed the HEP data ??
Message-ID: <199906190031.TAA29057@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Have uncovered a Spring 1973 edition of the Motorola HEP
semiconductor Cross-Reference Guide and Catalog....

If you have not yet had your question answered, maybe
I can help...

Larry KA5T

Date: Fri, 18 Jun 1999 19:52:55 -0500
From: George F Franklin <w0av@juno.com>
To: qrp-l@lehigh.edu
Subject: [43086] Overlay for NC20 Panel
Message-ID: <19990618.195255.-311861.0.w0av@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello All,

A fellow QRP-er named Paul was going to send me an overlay for my NC20 via
snail mail, but it has not arrived. I can't remember Paul's call, etc.

Paul, if you are out there, help!

72 de George/W0AV

Date: Fri, 18 Jun 1999 21:15:01 -0400
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [43087] Morse Code in Movie
Message-ID: <015601beb9f1\$28895ba0\$8a5445c6@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello All,

The xyl and myself just finished watching a movie called "Enemy Of The State". When they showed a satellite tracking in on a tracking signal, there is a CW message that is sent, it says CQ CQ CQ.

There was a shot of an HF rig, I think a Yaesu, tuning from 7.214.00 MHz to 7.210.90 MHz. when they were listening to a bug planted in a room.

It must have been a Ham Operator behind the technical portion of the movie. It is out on video, watch it and let me know what you see. The plot is good and it very well could be TRUE!

72 & 73
Good DXing
Ron de WB3AAL
wb3aal@talon.net

vvv Eastern Pennsylvania QRP Web Page vvv
http://www.kpsnet.com/wb3aal/Start_Page.htm
Eastern Pennsylvania QRP Club Call --> N3EPA

EPA QRP #1	NJ QRP #179
KL7 QRP # 309	G-QRP # 3031
ARCI QRP # 5318	10 - X #13173
NorCal #	Zombie #625

SETI @ Home Project
<http://setiathome.ssl.berkeley.edu>

Date: Fri, 18 Jun 1999 22:30:27 -0500
From: "Chuck Adams K5FO" <adams@ticnet.com>
To: qrp-l@lehigh.edu
Subject: [43088] CD R R/W, SPICE Models, Ft Smith AR, MFJ es stuff
Message-ID: <E10vAk5-0005Vb-00@pop3.ticnet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Gang,

One care package all tied together.

1. I have been experimenting all day with two CD burners and both WORM (write once read many) and ReWriteable CD media. An education unto itself and time consuming to say the least.

Maybe someone in this group can tell why someone in their infinite wisdom decided to make them incompatible??
I can make a R/W ISO9660 disk and move it from one CD burner to the other, but not to another non-burner.

For an audio CD, I can make one R/W and play it on the PC without any problems, whether it was made on the SGI system or whatever..... I know what but I don't know why. If I take the same audio R/W CD to a regular audio player it doesn't work. I thought that would be the reason for doing it in the first place.....

2. Several have asked me to put all the SPICE models into one file and I am working on that. Stay tuned to the web page. I have gotten some more models from members of the group and I am cataloging them, putting them on

<http://www.qsl.net/k5fo/models.htm>

and will have a link to the file with all of them together as one big happy family. I will try to zip the separate files into one big file that you can unzip and get the models all separate in one directory. This stuff takes time. While at this I edited over 300 files and removed the double line feed..... Good thing I can type fast as I didn't see a quick way otherwise and I didn't feel like writing a script or digging up an ed or sed script....

3. I will be going to Ft Smith AR on Sunday to have dinner with the group there, then on to Starkville MS to look at where all the MFJ stuff is built. Looks like a number of the QRP-L group will be on the road next week... I will be 10 meter mobile around 28.040-060MHz and then on 40 meters at night from the hotel, antenna location permitting. Watch for me, please.

All this work on the CDs to get SPICE and Elmer205 back on track. There was too much to update and get inline and I was stalled... My apologies to the group waiting on that info. It is coming, it's just that I am too slow.

4. I am looking for 4 volunteers. Must be General or Advanced class licenses and you want to do 20+wpm. You have to be able to do 13-18 and the closer you are to 20 the better, but noone over 20wpm, please. I have stuff later for the QRQ guys.

Here is the deal. You send me email ASAP and if you make the cut of test subjects then: a. you send me a blank CD (not rewriteable) with SASE and I send it back to you with 145 minutes of practice from 20 to 25 wpm. b. you go to Radio Shack and spend the \$4 or so for the bookcassette adapter that allows you to listen to either left or right side with stereo phones, and c. you have to give me 30 minutes a day for 30 days listening and working on this. It takes a commitment from you. You will be required to check in daily. I know it is a pain but there is a reason for all this. It'll be worth the effort on your part and it'll help me out.

Send me your name, call, license class, current estimated code speed for plain text. No Extras need apply. Noone will know unless you tell them, as I'll keep the test subjects classified information until the end when you'll be doing 35wpm.

5. If someone can writeup and give me pointers for conversion from .aiff to .mpg3 or whatever the realtime player will take I'll work on some CW practice over the Internet like W1AW and ARRL does, but I don't want to take more than 4 hours of downloading and learning how to do this. It is not a career thing right now. :-) It's gotta be simple and all the software in place so I don't have to be a dweeb. Been there done that. Menu setup preferred or two simple steps from start to end to do it. Surely the software exists and I just don't have the time to surf right now.

;-)

Besides, it's more challenging on the air between the static crashes and QRN/QRM than copying in the comfort of the easy chair in front to the computer. You don't get WAS for the Internet.

OK, sorry for the bandwidth, but I am in need of some help here.

Thanks,

FYI

Chuck Adams K5FO adams@ticnet.com <http://www.qsl.net/k5fo/>

Date: Fri, 18 Jun 1999 23:42:14 -0400
From: "Ed Tanton" <n4xy@att.net>
To: <K2UD@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [43089] RE: 2N408 Transistor
Message-ID: <01d201beba05\$b8ba6a20\$01010101@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Howard... I would expect that a 2N408 is a germanium transistor-and they do tend to measure leaky. I will check and see what I have in the "old" transistor parts bin.

72 / 73 Ed N4XY email: <n4xy@arrl.net>

Date: Fri, 18 Jun 1999 23:46:30 -0400
From: Pete Burbank <plburbank@kih.net>
To: <qrp-1@Lehigh.EDU>
Subject: [43090] Re. Dummy load night
Message-ID: <3.0.32.19990618234626.006f865c@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

We need specs on max feedline length, switcher box for receive??
etc. Also can the DL be in an open or shielded enclosure?
eg ..my SPC Transmatch has several antennas connected and a
good grounding system and all are switched there. I'm sure all
the extraneous wires and switches interconnect at some level.
An extreme example could be a terminated rhombic!!! Also how
'bout sympathetic coupling to nearby resonant antennas?
The plot thickens so we need firm guidelines.
The secret weapon here is a resonant dog run cage with inline
traps that causes all the Kentucky hounds here to bay at once.
Better quit here as "THEY" are hovering nearby for another
UFO abduction...getting tired of the "Plutonic Scrutinizer"!!
72/3/88 Pete NV4V

Date: Fri, 18 Jun 1999 16:45:13 -0400
From: Bill B Lazure <n2tpa@juno.com>
To: QRP-L@Lehigh.EDU
Subject: [43091] Re: 4:1 Balun Question
Message-ID: <19990619.000225.7086.4.N2TPA@juno.com>

Kind folks of QRP-L,

I received several responses to my question about why my baluns weren't working correctly. I'd like to thank all of you, especially K7RXV, for taking the time to help me out.

As everyone says, "If you have a question, QRP-L is the place to go..."

73,

Bill
W2EB

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Date: Fri, 18 Jun 1999 17:51:09 -0400
From: Nils R Young <nilsbull@juno.com>
To: QRP-L@lehigh.edu
Subject: [43092] So much for the Ohio to Georgia "km/watt" idea . . .
Message-ID: <19990618.214257.8910.0.nilsbull@juno.com>

Gang,

Just got the results of my grand extreme goofiness about that QSO I had with K04QO today.

Turns out that George is only 368 miles from me. Which, at .9 watt is only 408-odd miles per watt or 658-odd kilometres per watt.

Sick transmit I vainglorious hopes. Or something. As Beavis would say in my case: "Uh huh-hun . . . ow."

73
Nils

Nils R. Bull Young :: La Estancia de los Guajolotes Sonrientes

WB8IJN &c :: The Tagalong Press :: email to nilsbull@juno.com
"In my day we had to FIGHT to have email! Every day was a struggle!"
-- Comrade Sergei Nikolaievich

McTovarishov

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Fri, 18 Jun 1999 21:28:21 -0700
From: "M. Monninger" <markem@primenet.com>
To: qrp-l@lehigh.edu
Subject: [43093] 2N2/40 Progress
Message-ID: <3.0.6.32.19990618212821.0084bc00@pop.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I finally had some time to work on the 2N2/40. Got the board kit from KI7MN and glued the pads on. I used a nibbler to make the pads. Managed to not glue my fingers to anything. Wired section 1 the other night and it tested fine. I just finished section 2 (VF0) and it worked fine after I figured out I reversed two of the leads on the output transformer. This results in a dead short of VCC to ground but my power supply crow-barred so no damage. Once I got those connected right it worked just fine. It tunes about 2.084 to about 2.165...wonder if I should remove a turn from L1?

So far, so good. If the rest goes this well, I should have it finished by Ft Tuthill. It looks like the hardest part will be winding those tri-filar xformers & figuring out which lead is which.

72/73... Mark AA7TA

Date: Fri, 18 Jun 1999 23:36:07 -0400
From: "Larry Braden" <lbraden@home.com>
To: <qrp-l@Lehigh.EDU>
Subject: [43094] Templates for controls..dials..
Message-ID: <001701beba04\$ddaeab80\$0100a8c0@catv1.md.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Something that would be really nice is some scanned graduated dial and control markings that could be downloaded and printed out to dress up gear. I remember seeing some decals a long time ago, but scanned files could be used over and over. Some in different file formats, that could be pasted in and enlarged or reduced, would be perfect. Anyone seen anything like that on the net?

73,

Larry KC5CWG
Catonsville MD FM19

Date: Fri, 18 Jun 1999 23:33:29 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: Nils R Young <nilsbull@juno.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [43095] Re: So much for the Ohio to Georgia "km/watt" idea . . .
Message-ID: <Pine.SUN.4.10.9906182331090.3758-100000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 18 Jun 1999, Nils R Young wrote:

> Turns out that George is only 368 miles from me. Which, at .9 watt is
> only 408-odd miles per watt or 658-odd kilometres per watt.

Yeah, but it could have been LONG path, pushing it to over 24,000 miles per watt! Think positive, Nils!

72, Paul NA5N

Date: Fri, 18 Jun 1999 22:52:24 -0700
From: Mighty Mik <mitymik@hooked.net>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>, Multiple recipients of list <qrp-canada@lists.gpfn.sk.ca>
Subject: [43096] 6 meter opening...alert!!
Message-ID: <376B3010.E1FBDA9@hooked.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-

creator="4D4F5353"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

it's 05:43Z (10:43PM west coast time)...heard N7VXJ in puyallop, WA RS59
in Berkeley, ca (CM87 to CN87) on 50.150. also heard CM97. I was on
.125...heard a LOUD sig just up...and another up from that!!

just heard WA2 something...and all these people are running 10-15 watts.

this is is the BEST opening i have EVER heard heard.

so what kind of propagation am i listening to?

--

@@

72/73 de Mick, WD8MNV/6 QRP-L #1673 QRP-C #118 ZOMBIE #441

NC20 SWL40+ ZM-2 DSP-3 rocket scientist and a 6 meter wanna be.

Aeropac #111 Tripoli #3071 Level 2

Date: Sat, 19 Jun 1999 01:52:30 -0400

From: hamjoel@juno.com

To: qrp-l@lehigh.edu

Subject: [43097] Re: So much for the Ohio to Georgia "km/watt" idea . . .

Message-ID: <19990619.015231.-326869.0.hamjoel@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Yes it could have been long path but then it could have been multi
path.....so does one take the long or the short of it????

or maybe a reflected path over 24k miles??? without the ability to
identify the path claimed how can an award be given? how about a
"Possible KM/W" Certificate.....

Oh by the way.. darn forgot what I had to say.... ok next post

joel kella

in maine

thinking about what I forgot

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Date: Sat, 19 Jun 1999 01:26:40 -0500
From: "Chuck Adams K5FO" <adams@ticnet.com>
To: qrp-1@lehigh.edu
Subject: [43098] http info
Message-ID: <E10vDUc-00039N-00@pop3.ticnet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

<http://www.qsl.net/k5fo/elm300.htm>

Chuck Adams K5FO adams@ticnet.com <http://www.qsl.net/k5fo/>

Date: Sat, 19 Jun 1999 01:22:44 -0700
From: "Dave Fifield" <fifield@pacbell.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, <GQRP@onelist.com>
Subject: [43099] NorCal QRP Club NC20's - Whoop!
Message-ID: <009a01beba2c\$e807b860\$0db865d8@pacbell.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

People of the list,

I have now had the opportunity to "fix" several NorCal QRP Club NC20's that had whoop (chirp) on transmit. In all cases, the problem was found to be with the 8V regulator (U2). Replacing this with a brand new L78L08ACZ from SGS Thompson cured the whoop totally. Some of the parts supplied in the club kits are obviously not very good.

I have heard quite a few NC20's on the air recently with the characteristic whoop. Please, if you have the whoop, replace the regulator - you're hurting my reputation!

To get these bad parts off the street, I will make a deal that's too good to

refuse: Send me a first class stamp and I'll send you a brand new L78L08ACZ regulator. Limit is one per person. To keep you honest, to get this deal, you have to tell me what the markings are on the regulator you have in your whoopy NC20. People outside the USA, please send a \$1 note instead of a stamp.

Send the stamp with your return address to:
Red Hot Radio (Regulator), 1717 Andover Lane, San Jose, CA 95124

Let's get these bad parts in the trash where they belong asap!

72, Dave Fifield, AD6A
<http://www.redhotradio.com>

Date: Sat, 19 Jun 1999 09:23:31 -0700
From: "KA5T Larry Wise" <lewise@inetport.com>
To: "qrp" <qrp-1@lehigh.edu>
Subject: [43100] CW alert
Message-ID: <199906190921.EAA19966@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang:

This weekend is the all Asia CW contest....

It is now 0920Z 19 Jun and I hear JR9NVB

crankin' 'um out on 21.056....

Larry KA5T

Date: Sat, 19 Jun 1999 09:28:08 -0700
From: "KA5T Larry Wise" <lewise@inetport.com>
To: "qrp" <qrp-1@lehigh.edu>
Subject: [43101] Tuna-Tin 2 gets Ugly
Message-ID: <199906190926.EAA20066@admin.inetport.com>
MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang:

I am now the proud (???) owner of a Genooine UGTT2 transmitter!

Got the bug and built an ugly version of the Tuna-Tin 2...and....
it works (300mw+) (Of course after a suitable amount of debugging...)!!!

First time at the UGLIES....fun....

Now for the 2N2.. :-)

Listen for a weak sig on 7043 plus a tad.....Maybe it'll be me....

Larry KA5T

Date: Sat, 19 Jun 1999 02:40:56 -0700
From: "Dave Fifield" <fifield@pacbell.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [43102] Digital Camera - Battery Leak - Hamcom
Message-ID: <00a001beba37\$d4afa100\$0db865d8@pacbell.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have two digital pictures of an unfortunate incident that happened to someone at Hamcom. Their supposedly leakproof batteries had ruined their camera and the fellow wanted a couple of shots to prove it to the battery people who will (should) replace his camera.

The problem is, I can't find the piece of paper that I wrote that person's email ID on, nor can I remember who it was. If it was you, please email me privately and I'll send you the pictures.

Thanks,
Dave Fifield, AD6A

Date: Sat, 19 Jun 1999 04:51:34 -0500
From: "Chuck Carpenter" <w5usj@globeco.net>
To: mitymik@hooked.net, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [43103] Re: 6 meter opening...alert!!
Message-ID: <3.0.2.32.19990619045134.006c75ec@bosshog.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Mick et al,

The propagation mode is generally sporadic E (Es). This is the mode we most often experience during the summer months. There also seemed to be a combination of single and double hop. East coast stations were working west coast stations and from TX in the middle, I was working both with East being the strongest. W and NW off the front of the antenna and E off the back. There were several CW stations in there too with 6s and 7s on one side and 4s on the other (around 50.1).

72/73 Chuck - W5USJ - EM22cv - Rains County - Point, TX

Date: Sat, 19 Jun 1999 11:37:07 +0100
From: "Andy GM0NWI" <gm0nwi@tesco.net>
To: <Qrp-1@lehigh.edu>
Subject: [43104] Fw: [GQRP] The World is Listening ...
Message-ID: <010e01beba3f\$ae9ec7e0\$ec1eac3e@andy>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Andy GM0NWI <gm0nwi@tesco.net>
To: GQRP CLUB <gqrp@onelist.com>
Date: 19 June 1999 11:37
Subject: [GQRP] The World is Listening ...

From: "Andy GM0NWI" <gm0nwi@tesco.net>
>
>Hello Again Guy's,
>
>Andy from Stirling in GMLand here again, with yet another "small"
>request for help....
>

>A friend of mine recently aquired a "mint condition" Trio/Kenwood
>R2000 General Coverage Receiver, he's just became a member of the RSGB here
>in the UK his shortwave no. is BRS177595.

>

>Anyway Mitch (that's him) is need of either a "surplus to requirements"
>>manual for this receiver, or some help from someone who could possibly
>either aquire one for him, payment in return of course, or better still, if
>anyone out there on the list has access to one that they could photocopy
and
>send to ME, or send ME a file of a scanned image of it that would also be
>fantastic...

>

>I as a shortwave listener, spent many a night listening to the activity on
>the amateur bands with the R2000 I had back in 97', "cutting my teeth", as
>they say here in the UK, too eventually go onto bigger and better things in
>the form of a HAM licence..... oo000hhhh Memories !!, it gave me immense
>pleasure as I am disabled with spina bifida, confined to a wheelchair, so I
>KNOW it will give my friend equal pleasure.

>

>For all those guy's out there like me with dodgy grey matter, the R2000 was
>of early 80's vintage, although it outlived expectations, and was superceed
>with the more expensive R5000, which retailed at around a few THOUSAND
>pounds here in the UK from my the results of my research.. The R2000 was
>similar in appearance to a Trio/Kenwood TS430, with dual clocks, alarm, 20
>memories, etc,
>one feature it had for all you guy's to try and remember about it was,
>that it came in some countries with the option to have a external VHF
>converter for listening to the 2m band etc....

>

>Anyhow guy's just wanted to post this to the list to see if anyone can help
>me track a copy or something of the said manual down.

>

>Here's hopin' eh things in the past on the list have outweigh all
>expectations here.....

>

>Sorry about the LARGE bandwidth but needed to explain the story.

>

>Big Thanks to you all

>

>72s de Andy GM0NWI "Long Live QRP!"
gm0nwi@tesco.net

>-----

>Got an opinion?

><http://www.onelist.com>

>Make it count! Sign up for the ONElist Weekly Survey now.

>-----

>=== Via the mailing list of the GQRP Club

<http://www.btinternet.com/~g4wif/gqrp.htm> ===
>

Date: Sat, 19 Jun 1999 11:38:00 +0100
From: "Graham Firth" <Graham.Firth@BTinternet.com>
To: <w0av@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [43105] Re: Regen RX Using Q-multiplier Principle
Message-ID: <001001beba48\$575a4d20\$02010080@graham>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi

> Back in about 1948 I built a regen HF RX for 80 meters from an article in
> CQ magazine.

>

> It used a dual triode (I believe it was a 6SN7) and was a really
> outstanding performer because it utilized so-called Q-multiplying to give
> an apparent increase in Q by "unloading" the single tuned circuit.

Hi

The regen that I beat Doug Hendricks with at Hamcom was using this principle.
It uses a 2N2222 as a colpitts osc and a MPF102 as an "anode bend" detector.

It should have won first rather than third prize - but the judges were fazed by
good looks rather than good circuitry!!

I could send you a BMP of the circuit if you wanted it.

> It was by far the best of very many regen receivers I have built and
> used.

It is very stable and the tuning survives a switch-off with no problems.
It is built in an Altoids tin of course!

72/3

Graham
G3MFJ/W3MFJ

Date: Sat, 19 Jun 1999 07:14:03 -0400

From: "George Goodroe" <goodroe@worldnet.att.net>
To: "Qrp-L@Lehigh.Edu (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [43106] antique keys
Message-ID: <000101beba4a\$6fc23f60\$7de7fea9@ggoodroe>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks to all who responded to my inquiry..

Per Marshall Emm, I have 2 commom keys and 1 beauty.

- 1) WT 8 Amp No. 2
- 2) Portable key off a Canadian Field Radio
- 3) Bathtub key. (The beauty)

It never ceases to amaze me at the knowledge base we have access to on the QRP-L ! <grin>

73 de KF4CPJ
George Goodroe, QRP-L #1943
St. Petersburg, Florida USA
80 Meter high noise capital of the USA <grin>
<http://home.att.net/~goodroe>
<http://www.qsl.net/kf4cpj>

Date: Sat, 19 Jun 1999 08:44:07 -0400
From: Sam Billingsley <SBillingsley@usaninc.com>
To: "Qrpl_Submit (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [43107] Homebrewing Tip: "Know your Test Gear"
Message-ID: <21E06269B00ED111BE9B00805F6D0FA394E00B@MAILSERVER1>
MIME-Version: 1.0
Content-Type: text/plain

For the recent To The Field (TTF) contest Mike Boatright K04WX and I independently build HI-pass and Low-pass Front-end filters for our INDEX LABs xcvsr.

Mike's worked as designed but I had problems with three Hi-pass filters (for 20/15/10). The LP filters I built for 20/40 were OK.

I didn't have time (I waited til the last minute to start building them) to debug them so I didn't thankfully need to use them for the event.

I decided to get to the bottom of WHY?

I think I have previously found that I had used 1000pf caps instead of the proper 100pf value in two filters so that explained them.

But what about the third..... a Hi-pass 7 element filter with values from the Handbook. No problem right?

Well based on Toroids winding formulas I determined the proper number of turns but since I had some great test gear (an MFJ SWR analyzer - does ind. and caps too) and (Autek RF-1 - does ind. and caps too) I decided to check them out and tweak the turns spacing to get them as close to the Handbook values as possible.

Well I had two unknowns working against me. (meter readings and small inductor values)

When I measured the inductors against both MFJ and RF-1 the values looked higher than expected so I took off turns and compressed and spread turns to get the readings to "comeout" with the meter.

Wiring up the filter and testing it proved dismal. The expected attn. curve looked nothing like the Handbook.

The problem was the test meters (both MFJ and RF-1) were adding about 0.150 uH to their readings. Now this isn't much for many inductors used in homebrewing but the Hi-pass filters for the band 20/15/10 use very small inductors in their circuits.

For example, the 10 mtr Hi-pass filter uses 0.205 and 0.185 uH inductors so you can see if I was using the meter values to determine the inductor I would be and WAS off by a significant factor.

At first I thought I had a bad batch of toroids or they were mismarked (painted - color coded). WRONG!

So I went back to the formulas and wound several different test inductors and measured them with both test meters. It turned out as I said earlier that they both added about +/- 0.150 uH to their readings. Case solved!

BTW I just rewound the 10 mtr Hi-pass inductors with the formula and "double checked them" with both meters, wired up the filter with the caps I had previously used with the 1000 to 100 correction. Guess what EXPECTED RESPONSE OBSERVED!

So Trust the toriod formulas but check with "known" test gear if you need to feel confident about the results.

One HI-pass filter down....two more to go.

The adventure continues.

Sam Billingsley AE4GX Atlanta (Buckhead), GA
<http://ae4gx.home.mindspring.com/>

Date: Sat, 19 Jun 1999 07:14:03 -0600
From: "Steven K. Anspach" <spach@ida.net>
To: qrp-1@Lehigh.EDU
Subject: [43108] FS Sierra
Message-ID: <3.0.1.32.19990619071403.00ea097c@ida.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Wilderness Radio Sierra, KC-2, 15m & 40m band modules, mint condition - \$285.

Includes manuals and shipping.

Respond via private email - spach@ida.net

Date: Sat, 19 Jun 1999 09:42:40 -0400
From: Joseph Trombino Jr <joebarb@wilmington.net>
To: QRP-L@LEHIGH.EDU
Subject: [43109] F.S. NC-20 (built)
Message-ID: <3.0.6.32.19990619094240.007e61a0@wilmington.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello fellow QRP'ers:

Have a couple of new QRP kits coming so need to make room in the shack. I have for sale a NorCal NC-20, built and operating, with the AGC mods and 10 turn pot. The radio has full output with NO rpt NO chirp. Will ship to lower 48 states for \$120.

Regards, Joe W2KJ (North Carolina)

Date: Sat, 19 Jun 1999 08:50:03 -0500
From: "Gary R. Hanson" <ghanson@uts.cc.utexas.edu>
To: qrp-1@lehigh.edu
Subject: [43110] DL-QRP-PA ???
Message-ID: <376BA00A.E625C85D@uts.cc.utexas.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hey gang,

If any of you have attempted to put the DL-QRP-PA 9 watt power amp on a 1" circuit board into a White Mountain SSB rig (WM-20) would you send me a note. It was featured in SPRAT #98. I'm interested in adding a little oomph to my WM-20.

Thanks,

Gary, KJ5VW

Date: Sat, 19 Jun 1999 08:24:21 -0700
From: "James R. Duffey" <jamesd1@flash.net>
To: "qrp-1" <qrp-1@lehigh.edu>
Cc: Folded.Monopoles.and.160.M@deimos.flash.net
Subject: [43111] <no subject>
Message-ID: <199906191425.JAA08170@mailgw.flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

I was on travel when the subject of the unipoles/folded monopoles came up and I notice that it has been nicely covered here. I was particularly enlightened to see that several people exploded the myth that the folded antennas increase efficiency by reducing ground loss. This is one of those ham urban legends that people propagate without thinking about what they are saying. In this case it has appeared, and still appears in several antenna handbooks by a noted author who should know better.

Having said that, I erected a 160 M folded Marconi as a teenager in the late 60s. I built it out of 300 Ohm twin lead. When I went to the local TV repair shop to buy the twinlead, the proprietor, a ham, immediately knew what I was going to use it for. I got the idea from the "Radio Handbook" (also known as the west coast handbook) which duly reported that it would increase my efficiency. I put it up a week before the CQ 160 M contest. This was the middle of January in South Dakota so it was a chilling experience to say the least. The vertical portion was 30 ft tall with the remaining length horizontal. I did quite well in the contest working 39 states with about 50 Watts out. The antenna came down in an ice storm two weeks later.

I know now that the antenna worked well because I had a good ground, not because of any increase in efficiency. I tied the folded monopole into the ground system for our phased verticals; three 14AVQs in a triangle each with 16 quarter wave (on 40M) long radials. Not a great ground, but probably above average for 160 M in those days. I never put the folded monopole back up, using instead a 80 M dipole with the feeder ends tied together and fed against ground as a top loaded vertical. - Dr. Megacycle KK6MC/5

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Sat, 19 Jun 1999 10:59:28 -0400
From: "Jim Stafford, W4Q0" <w4qo@amsat.org>
To: fifield@pacbell.net, QRP-L <qrp-l@lehigh.edu>
Subject: [43112] Re: Digital Camera - Battery Leak - Hamcom
Message-ID: <376BB04F.B974683C@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Dave,

It is me and I really would appreciate the pictures of the battery leak. Thanks.

As a reference/learning point, I suspect that because they were about discharged and because I carried them on the airplane in the camera, it may have contributed to their leaking. They were name brand/new 3 weeks ago batteries, but digicam eats them alive!

--

Jim Stafford, W4QO	770-993-9500	VP - QRPARCI #6615
11395 West Road	770-993-8932 fax	Mgr - W4WOW SciTrek
Roswell, GA 30075	w4qo@amsat.org	Dir- RadioActive Schools
DBA/Stafford Enterprises/By Jimeny SCF		
http://www.america.net/~w4qo		

Date: Sat, 19 Jun 1999 11:33:30 -0400
From: Joseph Trombino Jr <joebarb@wilmington.net>
To: QRP-L@LEHIGH.EDU
Subject: [43113] NC-20 has been sold
Message-ID: <3.0.6.32.19990619113330.007b7a20@wilmington.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Fellow QRP'ers:

Many thanks for all the responses....the NC-20 has been sold.

Regards, Joe W2KJ

Date: Sat, 19 Jun 1999 11:42:34 EDT
From: KB90CE@aol.com
To: qrp-l@lehigh.edu
Subject: [43114] Re: I'm Looking For.....
Message-ID: <4624b4a1.249d146a@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks to all who responded to my request for a ECG website for cross reference purposes. Once again, this list came through in a pinch! I also did download their cross reference program to avoid searching in the future. Below are the links all you great guys (and ladies) sent.

<http://www-us.semiconductors.philips.com/>
<http://www.ecgproducts.com/>

Thanks and 73
Mike
Portage, IN

Date: Sat, 19 Jun 1999 09:02:59 -0700
From: Jeff Grudin <grudin@pacific.vdbs.com>
To: qrp-1@lehigh.edu
Subject: [43115] The Story posted this morning?
Message-ID: <376BBF33.75AC1BDE@vdbs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Could someone send me the address of the story that was posted here this morning. I need to find that website again. It is the one about the grandfather and grandson that went camping.

Thanks.

--
73 de AC6KW <mailto:grudin@vdbs.com>
Jeff Grudin, DVM Web Add: <http://www.vdbs.com/~grudin>
Ocean Animal Clinic / Cat Clinic of Santa Cruz - Santa Cruz, California
Norcal QRP #1292 QRP-L #16 ARS #351 AR Qrp #131

Date: Sat, 19 Jun 1999 09:02:47 -0700
From: william h ross <k6mgo@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [43116] Batt. charge
Message-ID: <19990619.091822.-249799.1.k6mgo@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Need some expert advice, Gang.
Can I use a slow battery charger (6 to 10 hr) that is for NiCds, on Nickel Metal Hydride battery?
And if yes, would the charge time be the same for them as the NiCds, (same size, of course)?
Thanks for any help.
72,
Bill, K6MGO

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Sat, 19 Jun 1999 12:33:19 -0400
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [43117] Sorry, not QRP Related. But.
Message-ID: <04e501beba71\$724444a0\$345445c6@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Sorry for the band width guys but I need to know.

I have a question for everyone that has a web page
and digital pictures on the page.

What kind of digital camera do you use?
What is the cost compared to the capacity of pictures
and quality of picture.

Thanks in advance!

72 & 73
Good DXing
Ron de WB3AAL
wb3aal@talon.net

vvv Eastern Pennsylvania QRP Web Page vvv
http://www.kpsnet.com/wb3aal/Start_Page.htm
Eastern Pennsylvania QRP Club Call --> N3EPA

EPA QRP #1	NJ QRP #179
KL7 QRP # 309	G-QRP # 3031
ARCI QRP # 5318	10 - X #13173
NorCal #	Zombie #625

SETI @ Home Project
<http://setiathome.ssl.berkeley.edu>

Date: Sat, 19 Jun 1999 09:35:34 -0700
From: Jeff Grudin <grudin@pacific.vdbs.com>
To: qrp-l@lehigh.edu
Subject: [43118] Thanks for the story address.
Message-ID: <376BC6D6.CFFCC293@vdbs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks to all who responded. I got the address and am able to access it again.

It is a nice story for those that didn't check it out.

<http://jehosophat.com/>

--
--

73 de AC6KW <<mailto:grudin@vdbs.com>>
Jeff Grudin, DVM Web Add: <http://www.vdbs.com/~grudin>
Ocean Animal Clinic / Cat Clinic of Santa Cruz - Santa Cruz, California
Norcal QRP #1292 QRP-L #16 ARS #351 AR Qrp #131

Date: Sat, 19 Jun 1999 12:46:56 -0500
From: "Chuck Adams K5FO" <adams@ticnet.com>
To: qrp-l@lehigh.edu
Subject: [43119] Harbor Freight Punch #
Message-ID: <E10v06t-000029-00@pop3.ticnet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

The SKU# is 37405 for the Harbor Freight 2,000 lb
force punch as shown on the web page for the elm300
page.

FYI

Chuck Adams K5FO adams@ticnet.com <http://www.qsl.net/k5fo/>

Date: Sat, 19 Jun 1999 14:15:41 -0400
From: Andrew Comas <acomas@panix.com>
To: QRP Discussion <qrp-l@Lehigh.EDU>
Subject: [43120] Testing Coax Cables
Message-ID: <376BDE4C.110D9F36@panix.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I thought I read an article in a recent QST on how to simply test a coax cable for wear and tear. We have several RG-8x - 50' cables which only get used during Field Day and they are getting onto 10 years old. Besides a visual inspection of the jacket, the open circuit test between the shield and center, short circuit test from end-to-end (shield-to-shield and center-to-center) and an SWR test with a dummy load is there anything else to try to ensure the cables are in good working order?

Tnx & GL in the contest.....

Andrew - N2ZT

Date: Sat, 19 Jun 1999 11:39:57 -0400
From: Nils R Young <nilsbull@juno.com>
To: QRP-L@lehigh.edu
Subject: [43121] More toroid adventures & antenna tuner sprites
Message-ID: <19990619.115038.13886.1.nilsbull@juno.com>

Gang,

Well, i can say with my usual reserved scepticism that I will end up with two different coils for two ranges, using two different core materials in this antenna tuner project. And I've come up with what I think will be a very pretty design, if you come from a country where they speak Esperanto. But that's another story.

Here's the deal so far:

I can use the type 6 material (yellow) for the section of the tuner that plays cool from 7-30 MHz. The same core will do 3.5 MHz nicely, but I'm being conservative.

I have to use type 1 material (blue) for the section that plays nice from 1.5-10 MHz, which gives me the overlap into 7 MHz. It will actually work down to about 14 MHz, but the core gets warm at that frequency. The trick to this whole equations is my having to use a T-106-1 for the test so far. That core size at 100 W does work ok, but I'd bet the heating is coming from the core size, not the material per se.

And I just yesterday sent an order off to Bytemark/Amidon but failed, in my abject brilliance, to get a T-200-1. Two T-200-6's I ordered. And a couple T-50-2's, which is really stupid, since I don't usually play with cores small enough to lose without even trying hard.

Ask the gang at Embedded Research about my adventures with the chip from the TiCK-4 that I bought at Dayton.

So now it's just a matter of getting around to getting the cabinetry parts, having someone haul the big box of collected junk moments out from under the bench (no heavy lifting for six weeks, remember?) so I can collect the knobs & other doodads before moving to the garage to saw and drill & cuss and fume.

It's kinda neat that I can hear the high end of the AM bcst band on the TR7 & use the antenna tuner to actually peak out signals to around 1.5 MHz. I usually have to go through the VLF/LF antenna preamp into the accessory antenna hole on the back of the TR7. But that's another story.

Now to try using the type 1 material (grey) for the VLF/MF stupid gringo tricks beacon project this winter. I have enough of that stuff in various sizes (thanks to TechAmerica) to make enough LPFs and BPFs for the project. Transmit no harmonic before its time, I guess.

Maybe later this week I'll put a schemo of this project together & post it on one of my web sites. Then you folks can see what happened to my time while getting used to sitting up straight again.

Now back to listening to the two Oliver Nelson CDs I got a while ago ("Blues & the Abstract Truth" & "More Blues & the Abstract Truth") with some Jackie McLean spun in just for fun. If rock & roll won't die, neither should bop & post-bop (he said while picking up the Eric Dolphy CD . . .)

73

Nils

Nils R. Bull Young :: La Estancia de los Guajolotes Sonrientes

WB8IJN &c :: The Tagalong Press :: email to nilsbull@juno.com

"In my day we had to FIGHT to have email! Every day was a struggle!"

-- Comrade Sergei Nikolaievich

McTovarishov

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Sat, 19 Jun 1999 14:43:48 US/Eastern
From: n2cx@voicenet.com
To: qrp-1@lehigh.edu
Cc: njqrp@njqrp.org, n2cx@voicenet.com
Subject: [43122] Exiled to Yuma for a week
Message-ID: <199906191843.0AA23580@nss4.cc.lehigh.edu>

Gang,

I *know* this is a long shot, but...

Are there any qrp'ers or any ham-related stuff of
interest in the Yuma, AZ area?

I'll be spending next week BUBBA'ing out there
at the Yuma Proving Grounds.

I'll take along my laptop and some un-built kits
to while away the evenings but if there is anything
else of qrp interest, let me know!

Gee, too bad there's no on-the air BUBBA activity
going on. Weather reports on the web call for
highs of 110 deg F dipping to 80 at night!

Ah, but the week *after* I'll be in San Diego!

72/73,

Joe E.,
N2CX

This message was sent using Voicenet WebMail.
<http://www.voicenet.com/webmail/>

Date: Sat, 19 Jun 1999 14:53:02 -0400
From: mikemo@ibm.net
To: k6mgo@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [43123] Re: Batt. charge
Message-ID: <376BE70E.2304FA8C@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I believe it is safe to charge NiMH batteries at the 0.1C rate indefinitely, just like Nicads. Nicads charged at 0.1C usually require 14 hours or so to fully charge.

Now regarding your charger, it depends on what kind of charger it is, and the difference in amp-hour ratings of the different batteries. If the NiMH batteries are the same amp-hour rating as the nicads then the charge time should be close to the same. If the NiMH batteries have a higher amp-hour rating then they will require more time to charge. If you are using an "automatic" charger, which detects the charge voltage changes during charging, it may not properly shut off with NiMH batteries. Most Nicad chargers detect a negative voltage slope to determine when full charge has been met. Most NiMH chargers detect a zero slope to determine full charge.

So, in other words, it is hard to say. If you don't want to damage your batteries only use them in a charger that was designed for them. On the other hand, if you understand the type of charger and the characteristics of the batteries you are charging then you can make a safe decision.

If you try to charge your NiMH batteries you can detect overcharge with the organic probe (your finger). When the battery temperature rises rapidly it is time to take them off the charger.

Maxim makes integrated charge controllers for Nicads and NiMH batteries. Their app notes have some good descriptions as to how to charge the different types at different rates. Look at <http://www.maxim-ic.com> The controller chips are cheap and you can order them on line. Perhaps you should build your own charger for these new batteries ;-)

72 de ku4qo, Mike Maiorana, Palm Harbor, FL

william h ross wrote:

> Can I use a slow battery charger (6 to 10 hr) that is for NiCds, on
> Nickel Metal Hydride battery?

Date: Sat, 19 Jun 1999 13:56:23 -0500
From: Jeff Davis <jeff@jehosophat.com>
To: QRP-L List <qrp-l@lehigh.edu>
Subject: [43124] Dress Code
Message-ID: <19990619135623.E10103@jehosophat.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I wake up early today and put on my Atlanticon shirt. Walk into the shack and fire up the OHR100A and work a few stations (actually using the HF antenna this time and not the 2M job) while waiting on the coffee to get done....

Later, coffee in hand, I start assembling the oscillator board on my new OHR-500 that I had to pick up at the FedEx office the other night.

The XYL walks in and says, "why are you wearing that shirt with the schematic on the back?" ... to which I reply, "cause I'm building a new QRP rig!"

Sheesh. Silly woman. I guess she doesn't understand that fewer construction mistakes are made when you have the proper tools and the right clothing for the job!

Back to the workbench....

--
72 de Jeff, N9AVG
QRP-L #1640
QRP ARCI #9756
NorCal

Date: Sat, 19 Jun 1999 14:52:52 -0500
From: Jay Freeman <jayFreem@direcpc.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [43125] Experiments with the DSW-40
Message-ID: <376BF514.20A9360D@direcpc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Howdy gang,

Since completing my DSW-40 Thursday night, I've been having a blast running 1.5w, using my 12v gel cell. It was almost too easy to make contact at that power level so today I decided to try a small experiment. I hooked up a regular 9v battery (slightly used). It measured 8.9v when I started. I hooked up my DMM in mA mode in series to

see how much current I'd draw too. The rig drew 39 mA no signal, up to about 44 mA with a fairly strong signal, and drew 174 mA on transmit, putting out approximately 800 mW (I doubt that is very accurate, it's a Comet QRO meter, lowest scale is 20W!). After tuning around a bit I made

a quick contest QSO with a W8 (I have no idea what contest) and then had

a nice 12 minute chat with K8WOL in Ohio, who gave me a 579, although he

remarked I was dropping a bit as we progressed. My meter was showing 0.5W when we signed. I went QRT and measured the unloaded voltage at 8.4v. So now I know that if I have to, a little 9v battery could do the job in some emergency or whatever. What fun!

72,

Jay

--

* Jay Freeman - WT9S ARRL *
* G-QRP 10319 QRP-ARCI 9981 ARS 562 *
* SASS #18700 NRA Life *

Date: Sat, 19 Jun 1999 13:20:08 -0700
From: Stan Goldstein <stan@cruzio.com>
To: acomas@panix.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [43126] Re: Testing Coax Cables
Message-ID: <376BFB78.1AC8646@cruzio.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Measure the input and output of rf. The higher the freq, the better the measurement. (For instance rg8 coax has a loss of around 1.2 db per hundred feet at 30 mhz , therefore 50 feet will only show .6 db, but at 432 mhz, the loss is about 6 db /100 feet , or 3 db for 50 feet. Easy to calculate and measure.)

Using a short length of coax from the radio to a meter to a dummy load , measure the rf. Then connect your coax to the existing coax and record the difference . Compare the loss to spec (see handbook for specs).

Stan , N6XU

Andrew Comas wrote:

>
> I thought I read an article in a recent QST on how to simply test a coax
> cable for wear and tear. We have several RG-8x - 50' cables which only
> get used during Field Day and they are getting onto 10 years old.
> Besides a visual inspection of the jacket, the open circuit test
> between the shield and center, short circuit test from end-to-end
> (shield-to-shield and center-to-center) and an SWR test with a dummy
> load is there anything else to try to ensure the cables are in good
> working order?
>
> Tnx & GL in the contest.....
>
> Andrew - N2ZT

Date: Sat, 19 Jun 1999 15:33:39 CDT
From: James R Giammanco <n5ib@juno.com>
To: qrp-l@Lehigh.edu
Subject: [43127] DSW40 - progress report
Message-ID: <19990619.153340.7511.0.N5IB@juno.com>

I've finished the receiver section of my DSW40 and set out to check my work so far - SIGNALS, YES !! and they peak up!

Had to do a bit of inspect and re-heat, etc (50+ year old myopic eyes) you'd think I'd have learned to solder after what seemed a gazillion Knight and Heatkits - but Dave's layout makes all this so easy... at the risk of being redundant, again - hi - What a neat kit !

Hoping to have it finished and in another one of my little wooden recipe boxes by Field Day.

72

Jim N5IB

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Date: Sat, 19 Jun 1999 21:48:09 GMT
From: n6jpa@qsl.net
To: qrp-l@Lehigh.EDU
Subject: [43128] (fwd) Heathkit qrp HW-7 Microphonic problem
Message-ID: <376d0fd9.14189790@192.108.254.43>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

On Sat, 19 Jun 1999 16:56:33 -0400, in rec.radio.amateur.misc "Joseph =
Schulte"
<schulte@bright.net> wrote:

I am borrowing a hw-7 to take to Philmont Boy Scout camp this summer. A
problem that was noted for this model rig was a microphonic problem with
this particular model. Heathkit came up with a cure for it. If Anyone =
has
knowledge of the cure or that information would you please email it my
friend, Ken, K8RWK.
His email address is:
k8rwk@bright.net
Thank you, Joe WA8UET

Date: Sat, 19 Jun 1999 18:23:34 EDT
From: W1RFI@aol.com
To: qrp-l@lehigh.edu
Subject: [43129] Re: Tuna-Tin 2
Message-ID: <e50e7d78.249d7266@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 6/17/99 1:06:39 PM Pacific Daylight Time,
lewise@inetport.com writes:

> Gang:

> Has anyone actually put the Tuna-Tin 2 replica on the air?

> Report in you guys and gals....

Hi, Larry,

The one I have been operating is the original, not the replica. :-)

I wanted to let everyone know I finally got it on the air from Los Angeles, but I don't know for how long. I managed to get up on the roof of the 3-story apartment building and get up a G5RV, with the ladder line running down to a 2nd-story balcony, but we got caught by the antenna police and it may disappear at almost any time. I should be on the air tonight some time around 0300-0400 UTC, and will stay on for an hour or two. I won't have time tomorrow morning, but if the antenna is still up, I will be on tomorrow night at 0300 UTC. Monday through Friday, look for me around 1000 UTC and 0300 UTC.

My receiver is a direct-conversion HW-8, so you may hear me a lot better than I hear you. It is a "double-sideband" receiver, so I may hear QRM that you can't hear. Please bear with me.

I have the Tuna Tin 2 logbook ready to go and want to put some West Coast calls in the log! I will QSL and send a nice certificate for those who work the original Tuna Tin 2.

In case anyone is on right now, I will call CQ for a few minutes, though the band appears dead as a stone. Maybe I am just not used to what it does on the West Coast. :-)

73,

Ed Hare, W1RFI/6
ARRL Lab Supervisor

Date: Sat, 19 Jun 1999 18:30:44 EDT
From: W1RFI@aol.com
To: lewise@inetport.com, qrp-1@lehigh.edu
Subject: [43130] Re: Tuna-Tin 2 gets Ugly
Message-ID: <4235da90.249d7414@aol.com>
MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 6/19/99 2:27:53 AM Pacific Daylight Time,
lewise@inetport.com writes:

> Got the bug and built an ugly version of the Tuna-Tin 2...and....
> it works (300mw+) (Of course after a suitable amount of debugging...)!!!

Great. I still haven't worked another Tuna Tin 2! :-)) A couple of mods for
ya -- first, it powers nicely from two 9 V batteries in series. Mine seem to
last about 4 hours or so before the power drops a tad. If you change the
56-ohm resistor in the emitter of Q2 to 27 ohms, you will squeeze out a bit
more power. I measured 850 mw out of the original in the ARRL Lab.

I will give a listen for you this evening. I will be on 7039.4 kHz or so, so
listen for me, too. A bit long for a marginal receiver in a very noisy
neighborhood for me, though.

73,
Ed Hare, W1RFI/6

Date: Sat, 19 Jun 1999 18:43:58 EDT
From: W1RFI@aol.com
To: n1qqv@cshore.com, qrp-1@lehigh.edu
Subject: [43131] Re: TT2 Problem
Message-ID: <b17a7514.249d772e@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 6/16/99 6:48:30 PM Pacific Daylight Time, n1qqv@cshore.com
writes:

> Hi Gang,

> I live a little more than 40 miles from W1AW. I don't have a
> snowball's chance of hearing Ed from here on 40 meters, much less working
> him!

Hi, Ken,

That should be an EASY QSO early evening. In the wee hours, the band might
go long, but we should be able to make the QSO when I get back. I am

operating from my home QTH in Burlington, though this week, I am /6 in Los Angeles.

73,
Ed Hare, W1RFI/6

Date: Sat, 19 Jun 1999 18:47:11 EDT
From: W1RFI@aol.com
To: ccart@phideaux.com, qrp-l@lehigh.edu
Subject: [43132] Re: Tuna Tin 2
Message-ID: <ad6bf177.249d77ef@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 6/17/99 12:06:01 PM Pacific Daylight Time,
ccart@phideaux.com writes:

<< FB Tom, Heard you work Ed and then listened to K0EVZ try to get in there.
I had to get out of the truck for a while so I'm not sure if Doc ever got
Ed to hear him. >>

I heard him, sorta; each time he sent his call, there was a static crash on
the E, so I got K0EVZ, about 229. I went back to him, as K0?VZ, but couldn't
tell if he came back to me or not. After my next Q, I called K0?VZ a few
times, but never heard him again.

The TT2 will be around, so he can try again. :-)

73,
Ed Hare, W1RFI/6

End of QRP-L Digest 1493

